



FY 1999 Technology Deployment in Environmental Management

Engineering Tomorrow's Solutions Today

**Site Technology Coordination Group / Technology Deployment Center
U.S. Department of Energy, Idaho Operations Office**



Brokk Remote Controlled Demolition System

Problem: Typical facility dismantlement is time consuming and labor intensive.

Baseline Technology: Manual tools (jackhammer, shears, scabblers) would be used to perform the work.

Innovative Technology: The Brokk BM250 is a remote controlled demolition system that replaces equipment like jackhammers, shears, and scabblers. The Brokk can be manipulated as far away as 400 feet using a radio remote control.

Comparison: The Brokk is able to perform most work in less than half the time of using manual equipment. Operating the Brokk by remote control allows the operator to be at a safe distance from high radiation areas and hazardous or falling debris.

Benefits: The Brokk is a durable work platform that is able to perform a wide variety of work in a safe and more efficient manner. Powered by a 440 volt, 3 phase motor, eliminates problems of exhaust fumes in containment areas. At the INEEL Security Training Facility D&D project, a typical size of an INEEL D&D project, the Brokk has saved \$66K.

TMS#: 2100

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Idaho National Engineering and Environmental Laboratory